

WHAT IS CLAIMED IS:

1. A construction for mounting at least one terminal (20), the terminal (20) having at least one resilient contact (27) to be inserted along an inserting direction (ID) into a hole (41) in a circuit board (40), and a jig contact (29) bulging out at an angle to the inserting direction (ID) behind the resilient contact (27) with respect to the inserting direction (ID), the jig contact (29) having a width and a longitudinal length (L), wherein:

the construction comprises a positioning plate (50) with at least one insertion hole (51) having a width dimensioned to receive the width of the jig contact (29), the insertion hole (51) having a depth (D) that is at least equal to the longitudinal length (L) of the jig contact (29) of the terminal (20).

2. The construction of claim 1, wherein the positioning plate (50) is fixedly mountable to a housing (11) of the circuit board connector (10).

3. The construction of claim 1, wherein the resilient contacts (27) are radially deformable.

4. The construction of claim 4, wherein the resilient contact (27) is formed adjacent at least one resilient deformable portion (28) that is thinned with respect to the resilient contact (27).

5. The construction of claim 1, wherein the jig contact (29) has a rounded front edge (29B).

6. A circuit board connector, comprising:
- a housing (11) configured for mounting to a circuit board (40);
- terminals (20) mounted into the housing (11), each of said terminals (20) having at least one resilient contact (27) projecting from the housing (11) and configured for insertion along an insertion direction (ID) into a corresponding hole (41) in the circuit board (40) and a jig contact (29) bulging out at an angle to the inserting direction (ID) behind the resilient contacts (27) with respect to the inserting direction (ID), each said jig contact (29) having a length (L) along the insertion direction (ID); and
- a positioning plate (50) assembled with the housing (10) and having insertion holes (51) into which the jig contacts (29) of the terminals are inserted, the insertion holes (51) each having a depth (D) at least equal to the length (L) of the jig contacts (29) of the terminals (20).
7. The circuit board connector of claim 6, wherein the positioning plate (50) is fixedly mounted to the housing (11).
8. The circuit board connector of claim 7, wherein the resilient contacts (27) are radially deformable.
9. The circuit board connector of claim 8, further comprising at least one resiliently deformable portion (28) adjacent each of the resilient contacts (27), each said resilient deformable portion (28) being thinned with respect to the resilient contacts (27).
10. The circuit board connector of claim 7, wherein the jig contact (29) has a rounded front edge (29B).

11. The circuit board connector of claim 10, wherein the jig contact (29) has rear edges (29A) substantially normal to the insertion direction (ID).

12. The circuit board connector of claim 11, wherein the length (L) of each jig contact (29) is less than the depth (D) of each insertion hole (51).

13. The circuit board connector of claim 12, wherein the positioning plate (50) contacts the circuit board (40) when the housing (11) is mounted on the circuit board (40).

14. The circuit board connector of claim 13, further comprising a jig (60) removably engageable with the positioning plate (50) and with the rear edges (29A) of the jig contacts (29) for urging resilient contacts (27) into the respective holes (41) of the circuit board (40).

15. A method for mounting a circuit board connector (10) to a circuit board (40), comprising the following steps:

providing a housing (11) with terminals (20) having resilient contacts (27) for insertion along an insertion direction (ID) into corresponding holes (41) in the circuit board (40) and a jig contact (29) bulging out at an angle to the inserting direction (ID) from a location behind the respective resilient contact (27) with respect to the inserting direction (ID), each said jig contact (29) having a rear edge (29A) and a front edge (29B) defining a length (L) for the jig contact (29) along the insertion direction (ID);

providing a positioning plate (50) with front and rear surfaces and insertion holes (51) extending therebetween, the insertion holes (51) having depths (D) at least equal to the lengths (L) of the jig contacts (29);

inserting the terminals (20) into insertion holes (51) of the positioning plate (50) so that the rear edges (29A) of the jig contacts (29) are substantially flush with the rear surface of the positioning plate (50) and so the resilient contacts (27) project beyond the front surface of the positioning plate (50); and

pressing the rear edges (29A) of the jig contacts (29) and the rear surface of the positioning plate (50) by a jig (60) to press the resilient contacts (27) into the holes (41) of the circuit board (40) and to position the front surface of the positioning plate (50) substantially against the circuit board (40), whereby the front edges (29B) of the jig contacts (29) are prevented from damaging contact with the circuit board (40).